

# Pinellas Environmental Restoration Project

## Northeast Site

## Non-Aqueous Phase Liquids

## Interim Measure Progress Report

## October Through December 2003

January 2004



U.S. Department  
of Energy



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Northeast Site Non-Aqueous Phase Liquids  
Interim Measures Progress Report**

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Work Performed by S.M. Stoller Corporation under DOE Contract No. DE-AC01-02GJ79491  
for the U.S. Department of Energy Office of Legacy Management, Grand Junction, Colorado

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## 1.0 Introduction

This report is the sixth quarterly report for the in-situ thermal remediation of non-aqueous phase liquids (NAPL) at the Northeast Site for the period of October through December 2003. The previous reports covered the periods from May 2002 through September 2002, October 2002 through December 2002, January 2003 through March 2003, April 2003 through June 2003, and July 2003 through September 2003. These reports provided background information for the site, a description of the remediation process, an overview of construction and operation activities for NAPL Area A, a description of the final activities for the Area A remediation system, including demobilization, confirmatory sampling, and the final report. Additionally, the previous quarterly report contained a description of preliminary planning activities for the construction of a similar treatment system at NAPL Area B.

This report describes the continuation of planning activities for NAPL Area B from October 2003 to December 2003. Activities during this quarter included finalization of the transition plan describing activities that must occur prior to the start of construction for Area B remediation, evaluation of proposals for a new subcontract for Area B remediation, development of the design and schedule for decommissioning the Northeast Site air stripper, and continued evaluation of permitting that will be necessary for Area B remediation.

## 2.0 Summary of Activities

The final results from the confirmatory sampling were presented in the previous quarterly report (July through September 2003). All the wells inside remediation Area A were abandoned as part of demobilization activities, but the eight wells (PIN15-0560 to -0567) adjacent to but outside of Area A remain in place and were sampled in October. Results from samples collected from these wells continue to confirm that contamination was not spread outside the remediation area. The only NAPL compound detected in October was trichloroethene at 3.5 micrograms per liter in well 0563.

The *Young-Rainey STAR Center Northeast Site NAPL Treatment Transition Plan* (DOE 2003) was finalized in late October. This plan was prepared to identify and plan for the tasks that must be completed prior to commencing construction of the NAPL Area B remediation system. These tasks include planning documents, permitting and regulatory compliance, community relations, procurement, and infrastructure modifications.

A draft version of the Northeast Site NAPL Area B Baseline Characterization Data Report was prepared in December. This report documents the sampling and analytical methods used during the baseline characterization event at NAPL Area B in July through September 2003, and reports the results of the investigation. The investigation resulted in some revision to the boundaries of Area B. The original Area B and the revised Area B are shown in [Figure 1](#). This document will be finalized in January 2004.

Significant progress toward awarding a new subcontract for Area B remediation was made this quarter. The Request for Proposal package was sent to several thermal remediation technology vendors on October 3. Three proposals were received on November 20 and were evaluated in December. Best and Final negotiations with the subcontractors are scheduled for the first half of January 2004, and the subcontract is scheduled to be awarded in late February.

Work continued on the design and schedule for decommissioning the Northeast Site air stripper. This air stripper currently treats ground water from both the Northeast Site (eight recovery wells) and the Building 100 Area (two recovery wells). The eight recovery wells at the Northeast Site will be abandoned prior to the start of construction activities for the NAPL Area B remediation system. The existing large air stripper will be replaced with a small skid-mounted air stripper that will treat only ground water from the two Building 100 Area recovery wells. This small air stripper will be located at the Northeast Site.

Work concerning the various permitting aspects of the NAPL Area B remediation continued during this quarter.

### **3.0 Deviations**

There were no deviations from the schedule or the planned work during this quarter.

### **4.0 Problems**

There were no problems encountered during this quarter.

### **5.0 Upcoming Activities**

Evaluation of permitting for Area B remediation will continue. The NAPL Management Plan will be revised starting in February. Transition activities scheduled for the next quarter include relocation of the field trailer and storage sheds, work toward decommissioning of the current air stripper, completion of the design for and procurement of the new air stripper, and work toward abandonment of the recovery and monitoring wells and associated utilities around Area B.

The award of a new subcontract for NAPL Area B remediation will be completed by late February 2003. Work by the subcontractor on the conceptual design for the Area B remediation system will start immediately upon award of the subcontract. Currently, construction for the Area B remediation system is scheduled to start in early July 2004.

### **6.0 References**

U.S. Department of Energy, 2003. *Young - Rainey STAR Center Northeast Site NAPL Treatment Transition Plan*, Document Number N0061700, October.

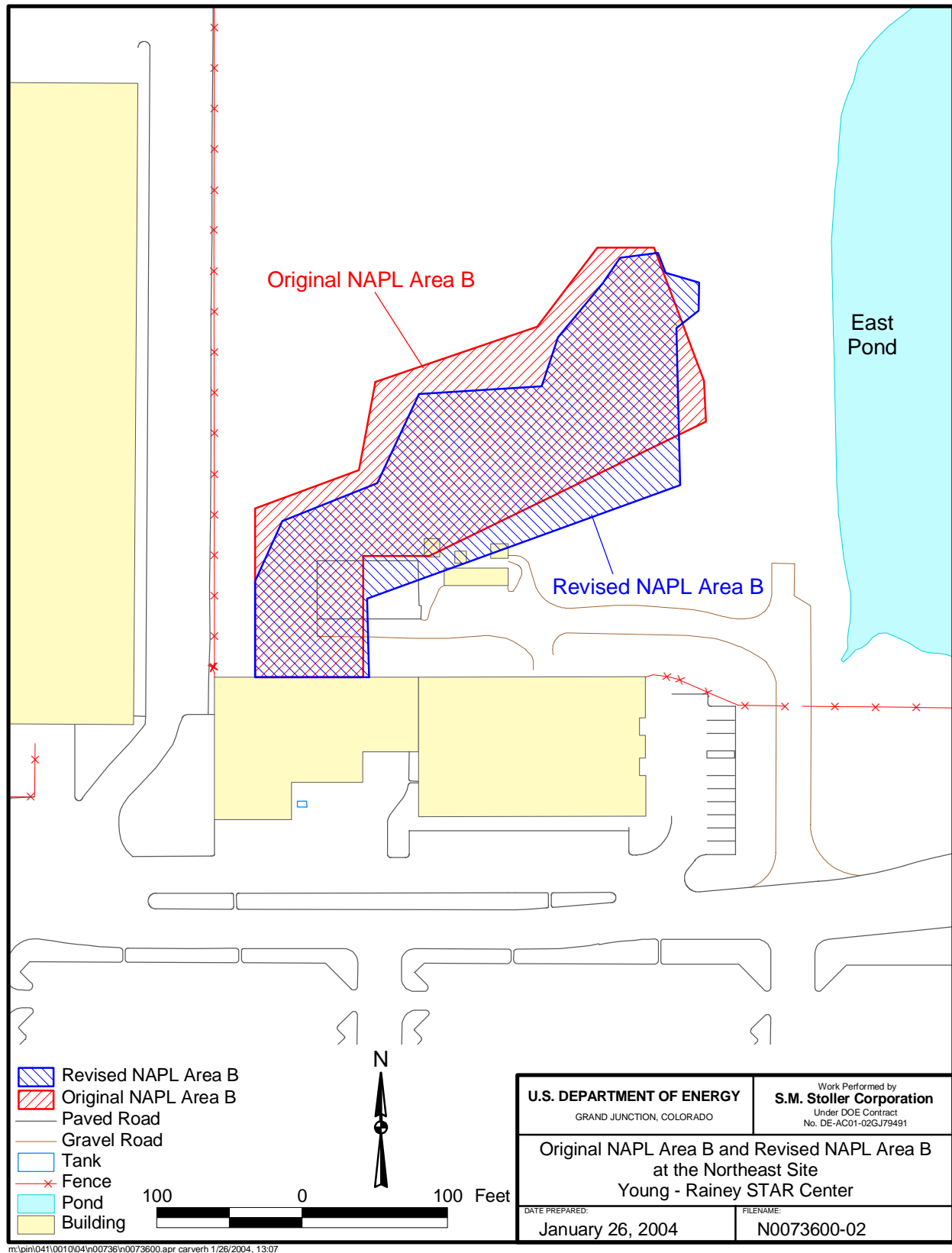


Figure 1. Original and Revised NAPL Area B